

Prothrombin Polyclonal Antibody
Catalog # AP73309**Specification****Prothrombin Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	P00734
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

Prothrombin Polyclonal Antibody - Additional Information**Gene ID** 2147**Other Names**

F2; Prothrombin; Coagulation factor II

Dilution

WB~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Prothrombin Polyclonal Antibody - Protein Information**Name** F2**Function**

Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing. Activates coagulation factor XI (F11); activation is promoted by the contact with negatively charged surfaces (PubMed: [2019570](http://www.uniprot.org/citations/2019570), PubMed: [21976677](http://www.uniprot.org/citations/21976677)). Triggers the production of pro- inflammatory cytokines, such as MCP-1/CCL2 and IL8/CXCL8, in endothelial cells (PubMed: [30568593](http://www.uniprot.org/citations/30568593), PubMed: [9780208](http://www.uniprot.org/citations/9780208)).

Cellular Location

Secreted, extracellular space.

Tissue Location

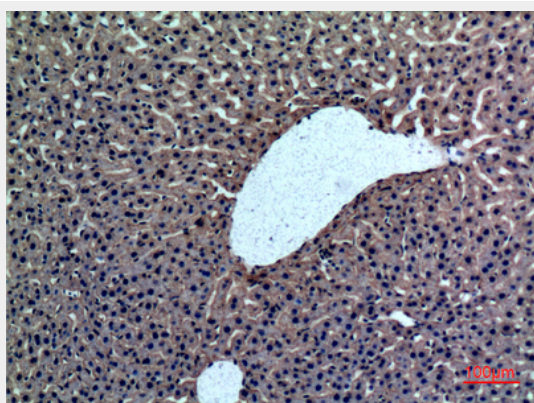
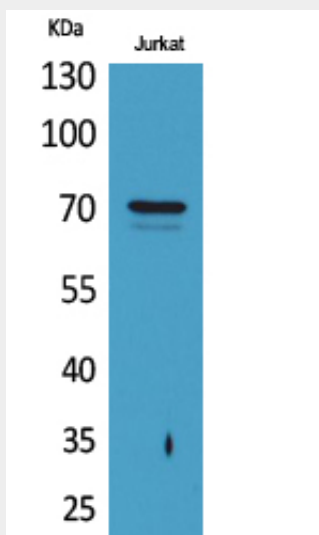
Expressed by the liver and secreted in plasma.

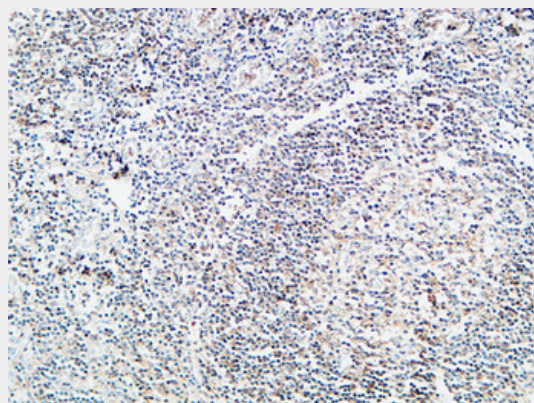
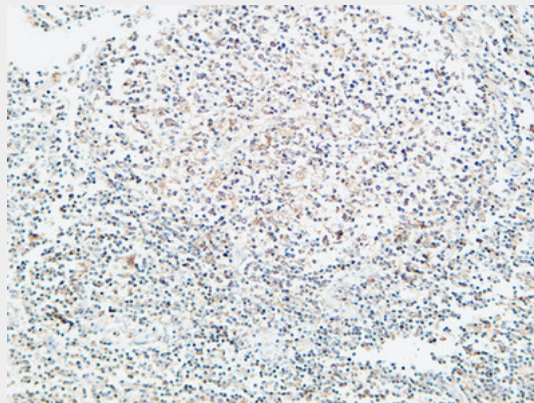
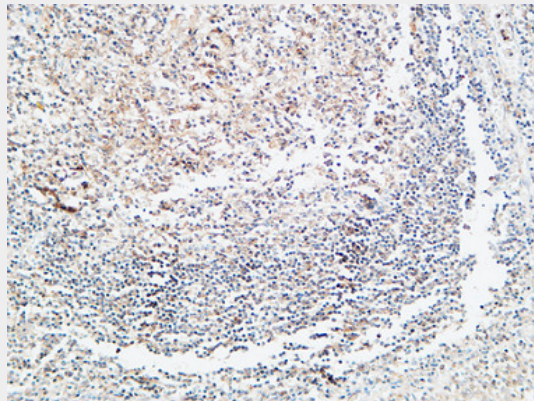
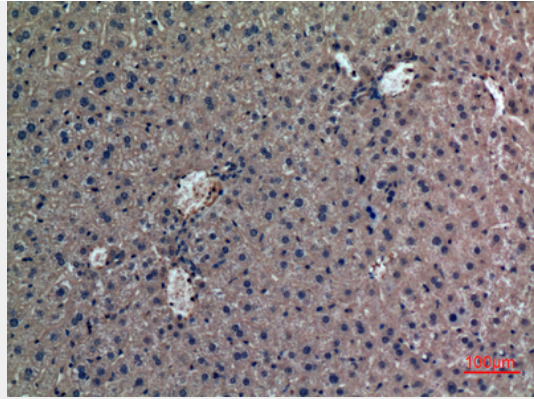
Prothrombin Polyclonal Antibody - Protocols

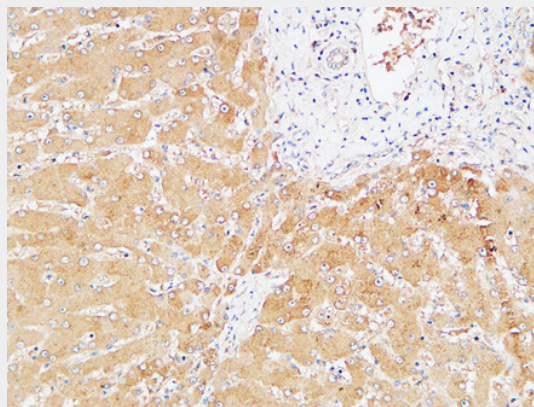
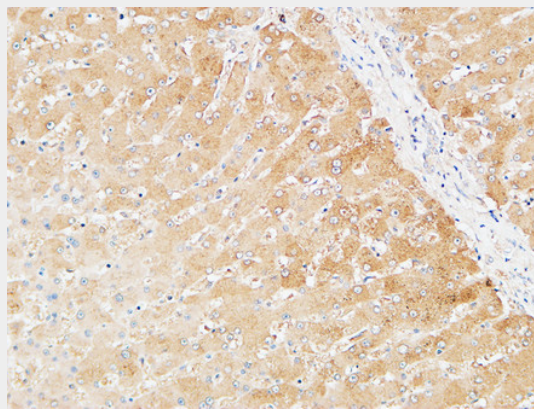
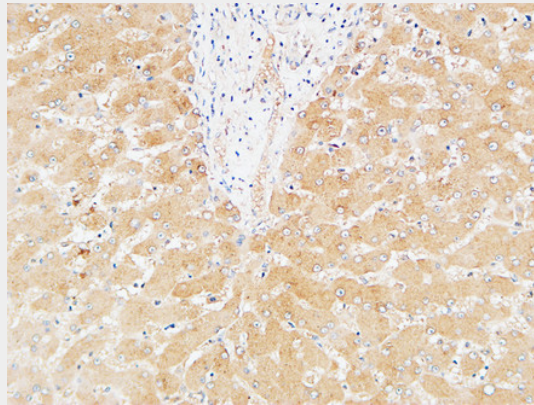
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Prothrombin Polyclonal Antibody - Images







Prothrombin Polyclonal Antibody - Background

Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing.